

V O L V O

Volvo Car USA LLC

Technical Journal

Technical Journal Title Standard Range Battery Cell Module Replacement with CK04		Ref. No. TJ 37624.3.0	
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Car Market United States and Canada	Partner 3 US 7510 Volvo Car USA	Function Group 3116	
Function Description Cell & Module		Page Page 1 of 3	

Rows beginning with * are modified

Note! If using a printed copy of this Technical Journal, first check for the latest online version.

DESCRIPTION:

*Vehicle type adjusted.

*Information under service updated

If a decision is taken to replace a cell module and the vehicle has VDN code CK04, please follow information under "Service."

CSC Customer Symptom Codes

Code	Description
53	Driving, Twin Engine/Propulsion using electric motor not possible
YN	High voltage battery/Discharged/poor charge
YM	On board charger/No/reduced/incorrect function/While driving
7G	Text window and warning symbol/Yellow symbol and text message
IV	Text window and warning symbol/Text message

DTC Diagnostic Trouble Codes

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224	BK	B1LPHEV					2020-2022		-	201928-202133
224	BR	B1FPHEV					2020-2022		-	201920-202133
225	BK	B1LPHEV					2020-2022		-	201920-202133
225	BR	B1FPHEV					2020-2021		-	201920-202116
238	BR	B1FPHEV					2020-2022		-	201920-202132
246	BK	B1LPHEV					2020-2022		-	201920-202133
246	BR	B1FPHEV					2020-2022		-	201920-202133
256	BR	B1FPHEV					2020-2022		-	201920-202133

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SERVICE:

Important! If you are replacing a cell module and the vehicle has VDN code CK04, please install the SP listed below before you replace the cell module.

Tip: If possible, perform the module replacement at a SoC of less than 30%, use the BECM SOC parameter in VIDA for the most accurate reference. The reason for downloading the SP before replacing the module and doing the replacement with a SoC of less than 30% is to avoid DTC's being set after the replacement. If the replacement is done with a SoC of greater than 30% the battery may need to be discharged after the replacement before you can clear any active BECM DTCs.

- *1. Check if the latest SW is installed in the vehicle. If not, Perform a Total Upgrade according to TJ 31543.
- *2. Install the correct SP for the vehicle (***if the Total Upgrade is performed after the SP is installed the SP will be overwritten!!!***).
- *3. Replace module according to VIDA

Following SPs to use

S90, V90, V90CC - 32469809
S90L - 32469810
XC60, XC90 - 32469811
S60, V60, V60CC - 32469812

Abbreviations:

VDN - Variant Designation Number
SP - SW Products
SoC - State of Charge
BECM - Battery Energy Control Module

FAQ:

Q: Should the SP be loaded prior to obtaining target voltage?

A: The SP does not affect target voltage calculation, we recommend loading the SP prior to cell module replacement in order to avoid the possibility of DTC's being set afterwards.

Warranty claim info:

To have a warranty claim approved for the job described in this Technical Journal (TJ), use the corresponding VST operation number provided.

Please note that fault tracing is not eligible for separate reimbursement under this TJ. Any fault tracing VST operation numbers will be rejected.

Additionally, ensure that the TJ number is clearly stated in the repair order text.

VST Operation Number

VST Operation Number	Description
98821-3	Software download acc. to TJ
98820-2	Software download incl. VIDA connection

VEHICLE REPORT:

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use the concern area "Vehicle Report" and the sub concern area "Support Needed", use function group 3116.